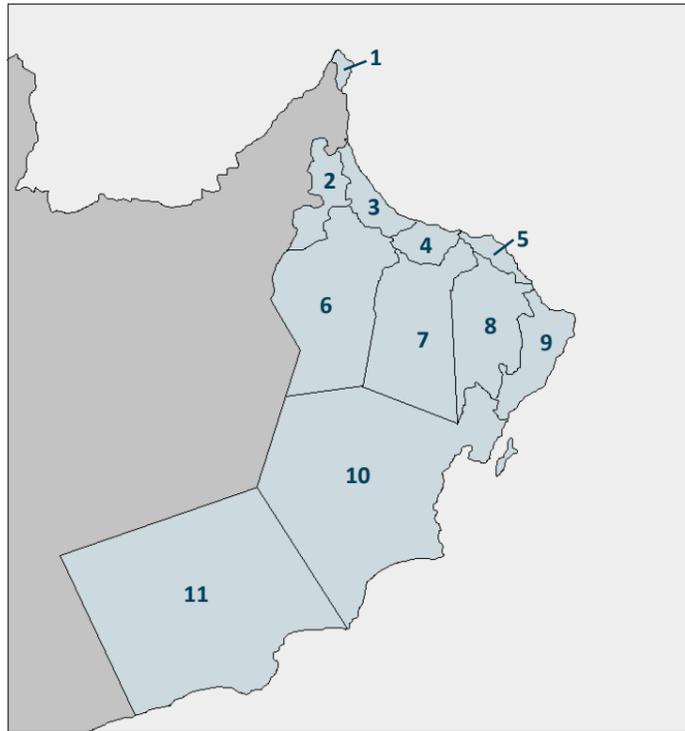


Development and Spatial Differences in Oman

Using GIS to find patterns and relationships



The Sultanate of Oman is split into eleven Governorates:

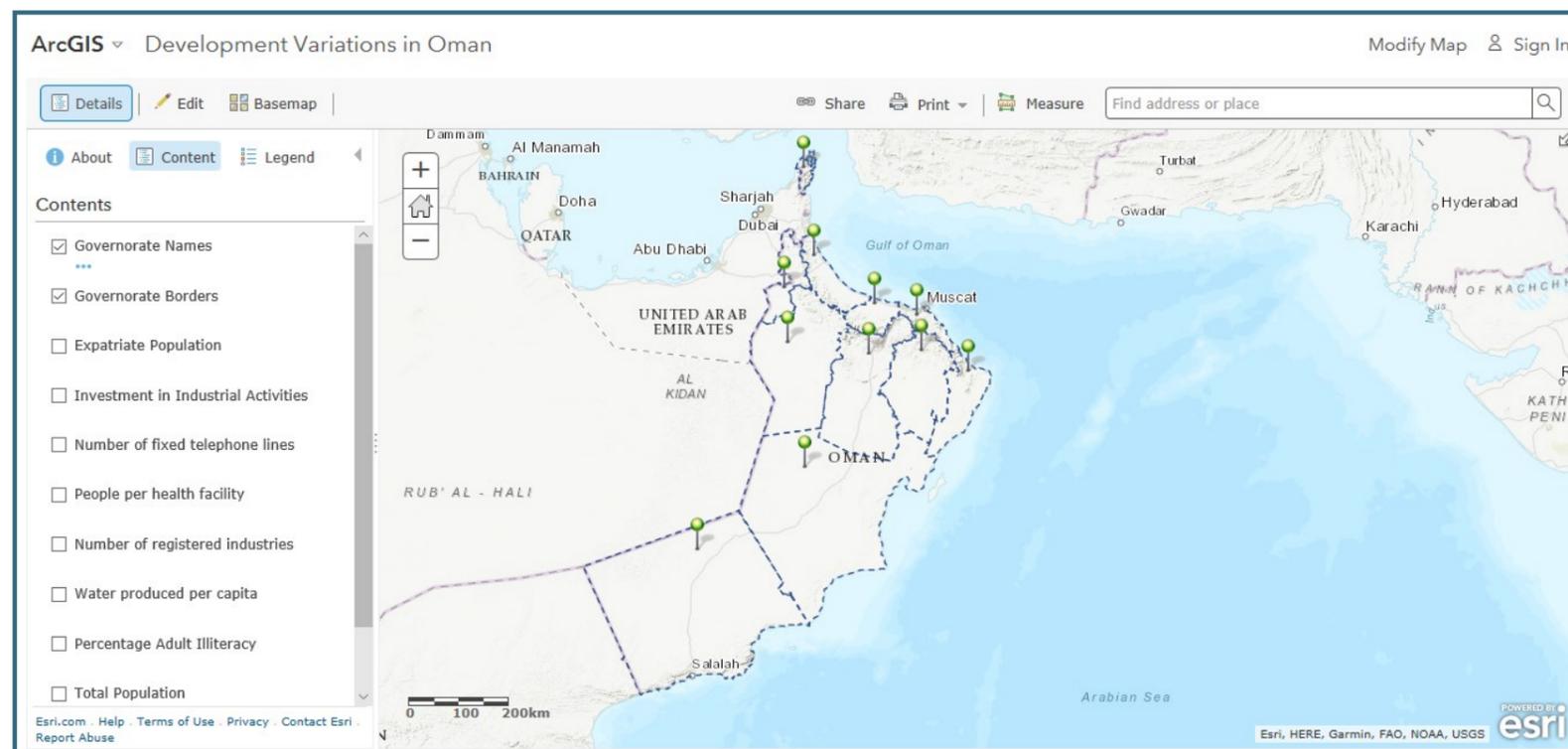
1. Musandam
2. Al Buraimi
3. Al Batinah North
4. Al Batinah South
5. Muscat
6. Ad Dhahirah
7. Ad Dakhiliyah
8. Ash Sharqiyah North
9. Ash Sharqiyah South
10. Al Wusta
11. Dhofar

How do different forms of development vary across the Governorates of Oman?

Open the RGS-IBG 'Development Variations in Oman' ArcGIS map

You can do this by scanning the **QR code** in the bottom right hand corner of this poster or by going to www.arcgis.com/home/index.html and searching for 'Development Variations in Oman' map. Open the map in Map Viewer.

Select '**Content**' - here you will see a wide variety of different layers of data that can be projected onto the map by checking or unchecking the boxes next to them.



More than one layer can be projected at a time. This will allow you to compare the sets of data with each other.

Are there some governorates which appear to score low levels of development in all categories?

Are there some governorates which show high levels of development in all categories?

What geographical reasons might there be for the variations you see?

What problems can you see with the nature of the data that has been selected for use?

What other data sets might be useful to carry out such a study of development variations?



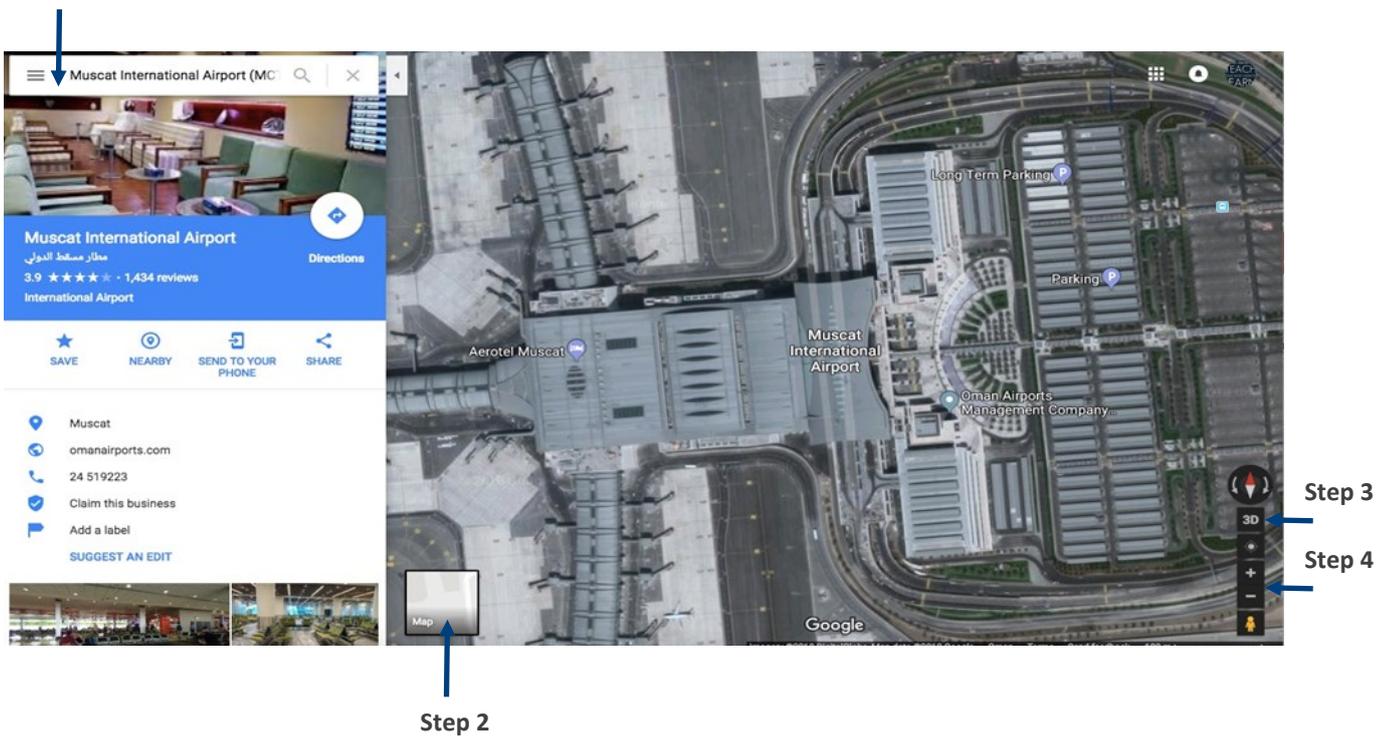


Key terms: Map View Satellite view Your Places Add to Map Absolute Location

Part 1: Getting Around

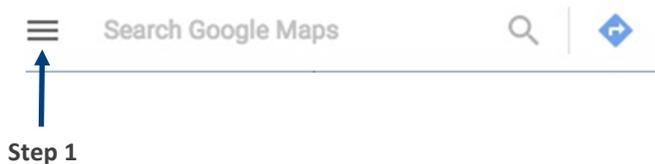
- Step 1** Click on the Google Maps link at the top of this sheet and search for "Muscat International Airport" in the search bar at the top left-hand corner.
- Step 2** Use "Map" or "Satellite" button at the bottom left to get different views.
- Step 3** On the "Satellite" view click on the 3D or 2D buttons or the rotate button on the right side to get more angles.
- Step 4** On both map views click on the zoom + or – (also on the right) to see more or less detail.

Step 1

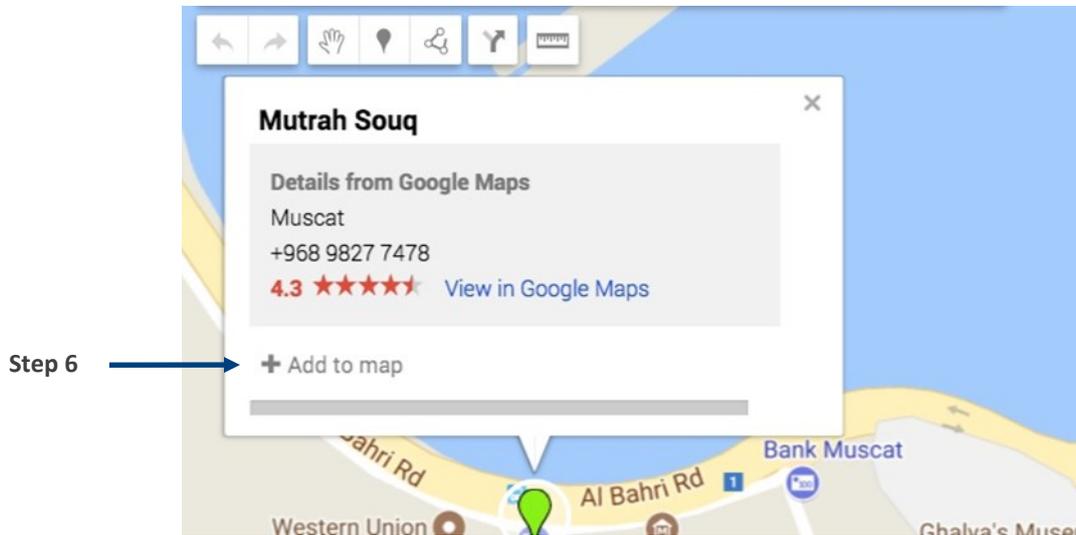


Part 2: Your Places

- Step 1** Click on the ☰ symbol on the far left of the screen, next to the search bar.

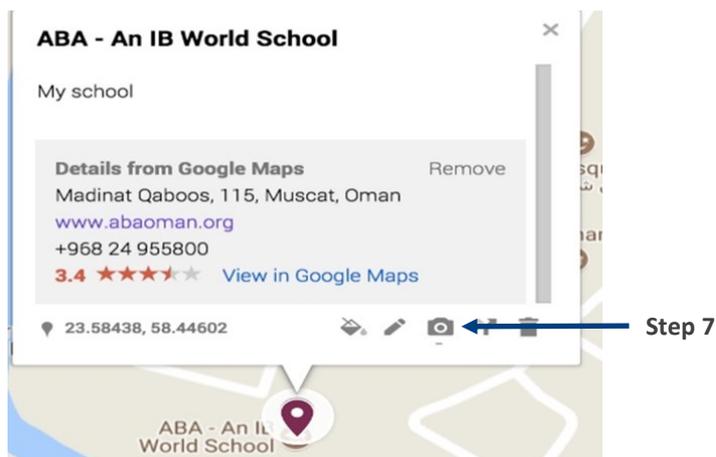


- Step 2** Click on 'Your Places'
- Step 3** Click 'Maps'
- Step 4** Click 'Create Map' on the bottom right-hand side
- Step 5** Name the map (for example, use your own name and the name of your class or teacher)
- Step 6** Search for and save the following locations on your map by pressing 'Add to map' when the location is found:



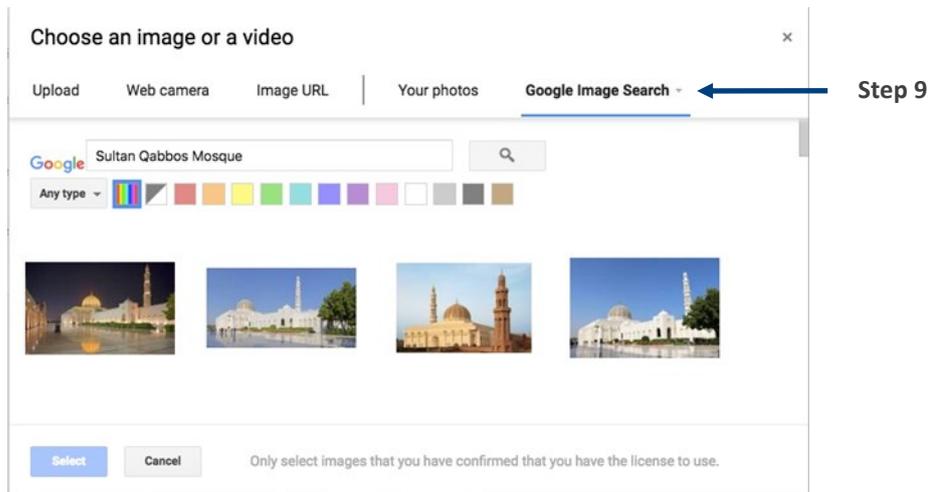
	✓		✓
ABA - An IB World School		Mutrah Souq	
Muscat International Airport		The National Museum of Oman	
The Wave		Sultan Qaboos Grand Mosque	
Oman Avenues Mall		Shatti Al Qurum Beach	

- Step 7** Add pictures to your map by pressing the 📷 symbol at the bottom of the box that appears.



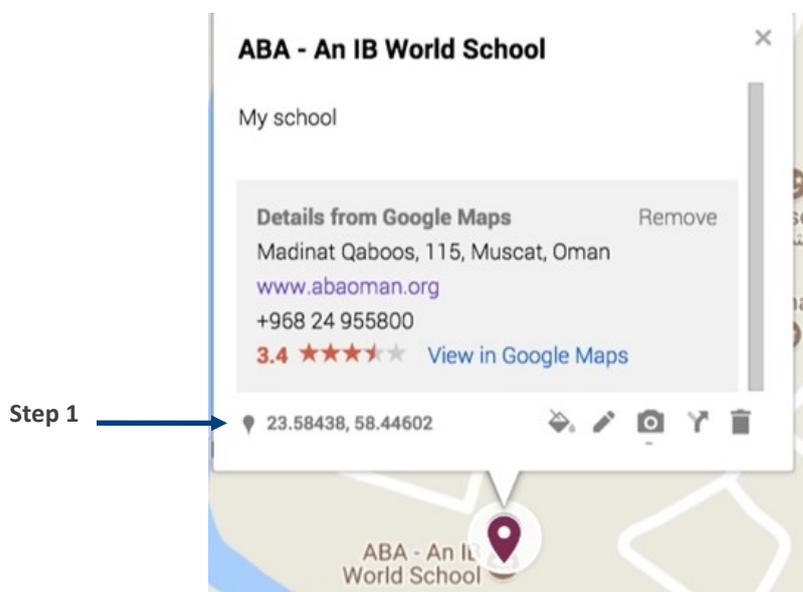
Step 8 Click 'More' to get a drop-down menu

Step 9 Select 'Google Image Search' and then type into the search bar the name of the location. Select your favourite picture.



Extension Activity 1: Checking Latitude and Longitude

Step 1 Click on each of the location markers on your map. This displays the latitude and longitude of the location (in that order).



Step 2 Complete the table, recording the absolute location. The first has been done for you as an example. The latitude and longitude should be recorded to the nearest 'minute' (i.e. to one decimal place)

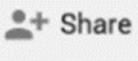
	Latitude	Longitude
ABA - An IB World School	23.5° N	58.4° E
Muscat International Airport		
The Wave		
Oman Avenues Mall		
Mutrah Souq		
The National Museum of Oman		
Sultan Qaboos Grand Mosque		
Shatti Al Qurum Beach		

Extension Activity 2: Create a map of your local area

Create a new map in the same way as above, but highlighting the key features of your local area.



To finish:

Share your map(s) with your teacher using the  button and typing in their email address.

Venn Diagram Template

